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Intelligent Text Retrieval in the NASA Astrophysics Data System

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In collaboration with the NASA Scientific and Technical Information System the NASA Astrophysics Data System (ADS) is establishing a service to provide access to the literature abstracts relevant to astronomy in the NASA Scientific and Technical Aerospace Reports and the International Aerospace Abstracts (together also known as NASA RECON).

The service will include several sophisticated retrieval methods, which may be combined. Included will be methods to perform relevancy ranking from natural language queries, synonym and misspelling recognition, author name translation (e.g. for multiple transliteration possibilities) and other features.

The capabilities of the current release will be shown, and the plans for the near future will be discussed.